

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
1 March 2001 (01.03.2001)

PCT

(10) International Publication Number  
**WO 01/14852 A1**

(51) International Patent Classification<sup>7</sup>: G01N 1/34, 33/18

Portsmouth PO1 2UP (GB). MILLS, Graham [GB/GB]; University of Portsmouth, University House, Winston Churchill Avenue, Portsmouth PO1 2UP (GB). MORRISON, Gregory, Mark [GB/SE]; Plantskolevaegen, S-466 Sollebrunn (SE). BJOERKLUND PERSSON, Lena, Bodil [SE/SE]; Eklanda Skog 60, S-431 49 Moelndal (SE).

(21) International Application Number: PCT/GB00/03300

(74) Agents: BERESFORD, Keith, Denis, Lewis et al.; Beresford & Co., 2-5 Warwick Court, High Holborn, London WC1R 5DH (GB).

(22) International Filing Date: 25 August 2000 (25.08.2000)

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(25) Filing Language: English

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,

(26) Publication Language: English

[Continued on next page]

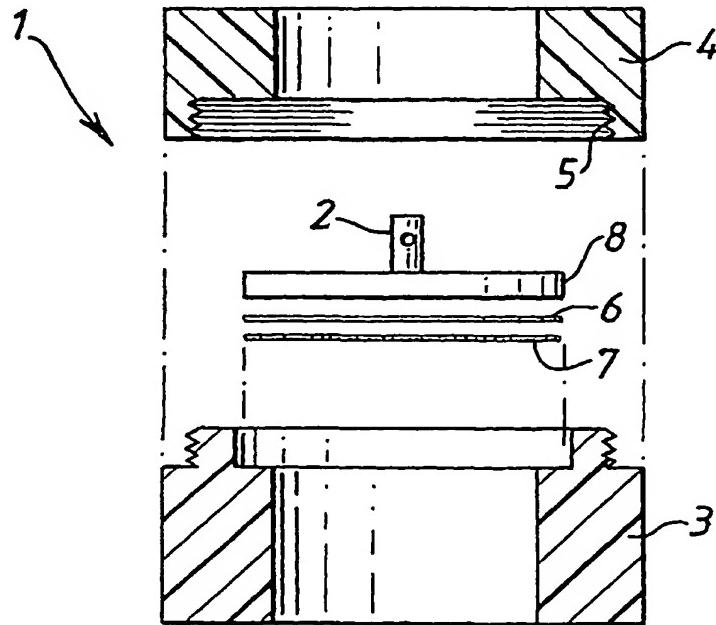
(30) Priority Data:  
9920170.9 25 August 1999 (25.08.1999) GB

(71) Applicant (for all designated States except US): UNIVERSITY OF PORTSMOUTH [GB/GB]; University House, Winston Churchill Avenue, Portsmouth PO1 2UP (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KINGSTON, Jenny [GB/GB]; University of Portsmouth, University House, Winston Churchill Avenue, Portsmouth PO1 2UP (GB). GREENWOOD, Richard [GB/GB]; University of Portsmouth, University House, Winston Churchill Avenue,

(54) Title: AQUATIC PASSIVE SAMPLING DEVICE AND METHODS FOR ITS USE



**WO 01/14852 A1**

(57) Abstract: An aquatic passive sampling device is disclosed comprising a diffusion-limiting membrane (7) and a receiving phase (6) itself comprising an immobilised solid phase material supported by a solid support (8). The solid support and membrane features enable the device to be adapted for use for continuously monitoring a variety of micropollutants, including polar organic, non-polar organic and inorganic analytes. Furthermore, the analytes may be collected by short column extraction rather than batch extraction.

WO 01/14852 A1



IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

**Published:**

- *With international search report.*
- *Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.*